

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	416	(determin\$3 or monitor\$3 or sens\$3 or detect\$3 or indicat\$3 or identif\$4) with (state or status or condition) with turbine with blade	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:32
S2	4	(determin\$3 or monitor\$3 or sens\$3 or detect\$3 or indicat\$3 or identif\$4) with (state or status or condition) with turbine with blade and (estimat\$3 or evaluat\$3 or validat\$3) with lifetime with blade	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:33
S3	1	(determin\$3 or monitor\$3 or sens\$3 or detect\$3 or indicat\$3 or identif\$4) with (malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with compressor with turbine with blade and (estimat\$3 or evaluat\$3 or validat\$3) with lifetime with blade	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:41
S4	1	(determin\$3 or monitor\$3 or sens\$3 or detect\$3 or indicat\$3 or identif\$4) with (malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with compressor with blade and (estimat\$3 or evaluat\$3 or validat\$3) with lifetime with blade	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:42
S5	1	(determin\$3 or monitor\$3 or sens\$3 or detect\$3 or indicat\$3 or identif\$4) with (malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with compressor with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with lifetime with blade	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:42
S6	1	(determin\$3 or monitor\$3 or sens\$3 or detect\$3 or indicat\$3 or identif\$4) with (malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with compressor with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) with blade	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:43
S7	4	(determin\$3 or monitor\$3 or sens\$3 or detect\$3 or indicat\$3 or identif\$4) with (malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) with blade	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:43
S8	1	(determin\$3 or monitor\$3 or sens\$3 or detect\$3 or indicat\$3 or identif\$4) with (malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) with blade and compressor	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:43
S9	4	(determin\$3 or monitor\$3 or sens\$3 or detect\$3 or indicat\$3 or identif\$4) with (malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) with blade	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:44

S10	14	(malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) with blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:46
S11	2	(malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) with blade and (vibrat\$4 or rotat\$4 or resonat\$5) with sensor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 13:46
S12	7682	compressor with blade with turbine	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 14:24
S13	1	(malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with compressor with turbine with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) with blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 14:24
S14	1	(malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal or error or deteriorat\$3) with compressor with turbine with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) with blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 14:27
S15	1	(malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal or error or deteriorat\$3) with turbine with blade same compress\$3 and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) with blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 14:27
S17	2	(malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal or error or deteriorat\$3) with turbine with compressor and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) and blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 14:28
S18	2	(malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal or error or deteriorat\$3) with turbine with compressor and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4 or forecast) with (life-time or life adj time or lifetime) and blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 14:30
S19	14	(malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal or error or deteriorat\$3) with turbine and compressor and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4 or forecast) with (life-time or life adj time or lifetime) and blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 14:37
S20	2	("7065471").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/24 14:44

S21	1	(malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal or error or deteriorat\$3) with turbine with blade same compress\$3 and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime)	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 15:10
S22	4	("4955269"   "5097711"   "5736643"   "6601005"). PN.	US-PGRUB; USPAT	OR	ON	2008/04/24 15:18
S23	426	702/34.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/24 15:32
S24	245	702/42.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/24 15:48
S25	358	70/52.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/24 15:48
S26	44	70/76.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/24 15:49
S27	93	70/104.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/24 15:49
S28	124	70/183.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/24 15:49
S29	43	70/184.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/04/24 15:50
S30	2418	73/116.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 15:50
S31	210	73/577.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 15:50
S32	1884	73/579.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 15:52

S33	87	73/582 ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 15:52
S34	68	73/630 ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 15:52
S35	828	73/649 ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 15:53
S36	778	73/660.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 15:53
S37	350	700/287.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 15:53
S38	3	(malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal or error or deteriorat\$3) with turbine and compressor and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4 or forecast) with (life-time or life adj time or lifetime) and blade and filter\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 15:57
S39	2	(malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal or error or deteriorat\$3) with turbine and compressor and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4 or forecast) with (life-time or life adj time or lifetime) and blade and filter\$3 with measur\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 17:02
S40	2	(malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal or error or deteriorat\$3) with turbine and compressor and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4 or forecast) with (life-time or life adj time or lifetime) and blade and (FFT or smooth \$3 or filter\$3) with measur\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 17:03
S41	2	(malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal or error or deteriorat\$3) with turbine and compressor and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4 or forecast) same (life-time or life adj time or lifetime) and blade and (FFT or smooth \$3 or filter\$3) with measur\$6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 17:04
S42	3	(malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal or error or deteriorat\$3) with turbine and compressor and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4 or forecast) same (life-time or life adj time or lifetime) and blade and (FFT or smooth \$3 or filter\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 17:04

S43	665	706/47.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 17:30
S44	183	706/59.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 17:30
S45	130	706/61.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/04/24 17:30
S46	8226	compressor with turbine with blade	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 10:59
S47	1	compressor with turbine with blade with cas\$3 with house	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:03
S48	1	compressor with turbine with blade with cas\$3 with house and vibrat\$4	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:05
S49	0	compressor with turbine with blade with cas\$3 with house and vibrat\$4 with rotat\$4	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:05
S50	1	compressor with turbine with blade with cas\$3 with house and vibrat\$4 and rotat\$4	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:05
S51	1	compressor with turbine with blade with cas\$3 with house and vibrat\$4 and rotat\$4 and frequency	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:05
S52	0	compressor with turbine with blade with cas\$3 with house and vibrat\$4 and rotat\$4 and frequency and (estimat\$4 or predict\$4 or evaluat\$3 or validat\$3 or forecast\$3) with lifetime	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:07
S53	3	compressor with turbine with blade with cas\$3 and vibrat\$4 and rotat\$4 and frequency and (estimat\$4 or predict\$4 or evaluat\$3 or validat \$3 or forecast\$3) with lifetime	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:08

S54	1	compressor and turbine with blade with (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and (estimat\$4 or predict\$4 or evaluat\$3 or validat\$3 or forecast\$3) with lifetime and (compar\$4 or differen\$2) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:15
S55	2	compressor and turbine with blade with (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and (estimat\$4 or predict\$4 or evaluat\$3 or validat\$3 or forecast\$3) with lifetime and (compar\$4 or differen\$2 or exceed or outside) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:16
S56	0	compressor and turbine with blade with (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and (estimat\$4 or predict\$4 or evaluat\$3 or validat\$3 or forecast\$3) with lifetime and (compar\$4 or differen\$2 or exceed or outside) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired) and (factor\$3 or coefficient)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:18
S57	0	compressor and turbine with blade same (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and (estimat\$4 or predict\$4 or evaluat\$3 or validat\$3 or forecast\$3) with lifetime and (compar\$4 or differen\$2 or exceed or outside) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired) and (factor\$3 or coefficient)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:19
S58	0	compressor and turbine with blade same (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and (estimat\$4 or predict\$4 or evaluat\$3 or validat\$3 or forecast\$3) with lifetime and (compar\$4 or differen\$2 or exceed or outside) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:21
S59	0	compressor and turbine with blade and (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and (estimat\$4 or predict\$4 or evaluat\$3 or validat\$3 or forecast\$3) with lifetime and (compar\$4 or differen\$2 or exceed or outside) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:22

S60	0	compressor and turbine with blade and (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and (estimat\$4 or predict\$4 or evaluat\$3 or validat\$3 or forecast\$3) with lifetime and (compar\$4 or differen\$2 or exceed or outside) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:22
S61	2	turbine with blade and (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and (estimat\$4 or predict\$4 or evaluat\$3 or validat\$3 or forecast\$3) with lifetime and (compar\$4 or differen\$2 or exceed or outside) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:23
S62	2	turbine with blade and vibrat\$4 and rotat\$4 and frequency and (estimat\$4 or predict\$4 or evaluat\$3 or validat\$3 or forecast\$3) with lifetime and (compar\$4 or differen\$2 or exceed or outside) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:24
S63	3	turbine with blade and (hous\$3 or cas\$3) and vibrat\$4 and (stall or rotat\$4) and frequency and (estimat\$4 or predict\$4 or evaluat\$3 or validat\$3 or forecast\$3) with lifetime and (compar\$4 or differen\$2 or exceed or outside) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:24
S64	0	compressor and turbine with blade and (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and (estimat\$4 or predict\$4 or evaluat\$3 or validat\$3 or forecast\$3) with (remain\$3 with time or lifetime) and (compar\$4 or differen\$2 or exceed or outside) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:27

S65	1	compressor and turbine with blade with (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and (compar\$4 or differen\$2 or exceed or outside) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state) with rotat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:29
S66	0	compressor and turbine with blade with (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and determin\$3 with (condition or state or status) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state) with rotat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:32
S67	0	compressor and turbine with blade with (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and (condition or state or status) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state) with rotat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:32
S68	0	compressor and turbine with blade with (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and normal with (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with normal with (operat\$3 or perform\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state) with rotat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:34
S69	0	compressor and turbine with blade with (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with normal with (operat\$3 or perform\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condiction or state) with rotat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:35



S70	0	compressor and turbine with blade with (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with normal with (operat\$3 or perform\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:35
S71	1	turbine with blade with (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with normal with (operat\$3 or perform\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:35
S72	1	turbine with blade same (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with normal with (operat\$3 or perform\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:35
S73	1	turbine with blade and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with normal with (operat\$3 or perform\$3) with (condition or state or status) same (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:36
S74	46	turbine with blade and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with (operat\$3 or perform\$3) with (condition or state or status) same (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:37

S75	29	compressor and turbine with blade and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with (operat\$3 or perform\$3) with (condition or state or status) same (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:37
S76	3	compressor and turbine with blade same (hous\$3 or cas\$3) and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with (operat\$3 or perform\$3) with (condition or state or status) same (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:37
S77	23	compressor and turbine with blade and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with (operat\$3 or perform\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 11:38
S78	1	compressor and turbine with blade and vibrat\$4 with (cas\$3 or hous\$3) and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with (operat\$3 or perform\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 13:44
S79	0	compressor and turbine with blade and (oscillat\$4 or vibrat\$4 or reson\$6) with (casing or housing) and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with (operat\$3 or perform\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 13:48
S80	22	"5594665".uref.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 13:49

S81	1	"5594665".uref. and. vibrat\$4 with (housing or casing)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 13:49
S82	3	"5594665".uref. and. display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 14:22
S83	11	compressor and turbine with blade and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with (operat\$3 or perform\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state) and display\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 14:23
S84	11	compressor and turbine with blade and vibrat\$4 with (cas\$3 or hous\$3) and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 15:38
S85	0	compressor and turbine with blade and vibrat\$4 with (cas\$3 or hous\$3) and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state) with rotat\$4 with stall	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 15:38
S86	1	compressor and turbine with blade and vibrat\$4 with (cas\$3 or hous\$3) and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state) with rotat\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 15:38
S87	5	blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime or health\$1) with blade and (vibrat\$4 or rotat\$4 or resona\$5) with sensor	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 15:45

S88	2	("5097711").PN	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/01/01 15:46
S89	3	compressor and turbine with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime or health\$1) and (vibrat\$4 or rotat\$4 or resona\$5) with (housing or casting)	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 15:47
S90	9	(malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) and (vibrat\$4 or rotat\$4 or resona\$5) with sensor	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 15:48
S91	4	(malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) and (vibrat\$4 or rotat\$4 or resona\$5) with sensor and (adjust\$5 or calibrat\$4 or compensat\$4 or correct\$4 or modif\$4) with (status or condiction or state)	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 15:50
S92	8	(malfunctional or stall or problem or fault or defect or fail\$3 or anomaly or abnormal) with blade and (estimat\$3 or evaluat\$3 or validat\$3 or predict\$4) with (life-time or life adj time or lifetime) and (vibrat\$4 or rotat\$4 or resona\$5) with sensor and (adjust\$5 or calibrat\$4 or compensat\$4 or correct\$4)	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 15:51
S93	15	compressor and turbine with blade and vibrat\$4 with (cas\$3 or hous\$3) and rotat\$4 and frequency and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with compressor	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 15:55
S94	7	compressor and turbine with blade and vibrat\$4 with (cas\$3 or hous\$3) and rotat\$4 and vibrat\$3 with frequency and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with compressor	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/01/01 15:56
S96	583	702/56.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:03
S97	506	702/34.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:03
S98	293	702/42.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:03
S99	369	70/52.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:04

S100	44	70/76.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:04
S101	94	70/104.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:04
S102	125	70/183.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:06
S103	45	70/184.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:07
S104	0	73/116.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:07
S105	212	73/577.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:07
S107	1945	73/579.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:08
S108	88	73/582.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:09
S109	69	73/630.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:10
S110	867	73/649.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:10
S111	808	73/660.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:10
S112	383	700/287.ccls.	US-PGRUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:11

S113	911	706/47.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:13
S114	224	706/59.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:13
S115	145	706/61.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:14
S116	7316	702/56,34,42.ccls. or 70/52,76,104,183,184. ccls. or 73/116,577,579,582,630,649,660.ccls. or 700/287.ccls. or 706/47,59,61.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:15
S117	32	S116 and (determin\$3 or monitor\$3 or sens\$3 or detect\$3 or indicat\$3 or identif\$4) with (state or status or condition) with turbine with blade	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:15
S118	7	S116 and (determin\$3 or monitor\$3 or sens\$3 or detect\$3 or indicat\$3 or identif\$4) with (state or status or condition) with turbine with blade	US-PGPUB	OR	ON	2009/05/08 10:16
S119	3	S116 and turbine with blade and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with (operat\$3 or perform\$3) with (condition or state or status) same (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat \$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:16
S120	1	S116 and turbine with blade and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with (operat\$3 or perform\$3) with (condition or state or status) same (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat \$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB	OR	ON	2009/05/08 10:16
S121	2	S116 and compressor and turbine with blade and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with (operat\$3 or perform\$3) with (condition or state or status) same (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif \$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:17

S122	0	S116 and compressor and turbine with blade and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with (operat\$3 or perform\$3) with (condition or state or status) same (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB	OR	ON	2009/05/08 10:17
S123	2	S116 and compressor and turbine with blade and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with (operat\$3 or perform\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 10:17
S124	0	S116 and compressor and turbine with blade and vibrat\$4 and rotat\$4 and frequency and (identif\$3 or determin\$3 or sens\$3 or detect\$3 or indicat\$3) with (operat\$3 or perform\$3) with (condition or state or status) with (known or predetermined or predefined or pre-set\$4 or preset\$4 or reference\$1 or threshold or expected or limit\$3 or desired or upper or lower or maximum or minimum) and (adjust\$5 or correct\$4 or calibrat\$3 or compensat\$3 or modif\$3) with (status or condition or state)	US-PGPUB	OR	ON	2009/05/08 10:18

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